

EAST Search History -DRL -9/6/07

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 6 | (("7198841") or ("5093309") or ("5637432") or ("5244542") or ("4834910") or ("5432000")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/09/06 12:25 |
| L2 | 12 | pigment with surface with dry with powder with (electrostatic or waals) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:25 |
| L3 | 38 | (pigment with (web or paper)) and binderless | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:25 |
| L4 | 797 | pigment and fiber and (web or paper or sheet or board) and ((no" or "not" or without) near3 binder) and ("nm " or nanometers or nanoparticles)(pigment with (web or paper)) and binderless | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:25 |
| L5 | 162 | binderless with coating | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:26 |
| L6 | 106 | I5 and (paper or fiber or web) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:26 |
| L7 | 36 | pigment with (optional adj3 binder) with (paper or fiber or web) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:26 |
| L8 | 797 | (pigment with coating) and waals | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:26 |
| L9 | 164 | I8 and (powder near5 coating) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:27 |

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| L10 | 155 | I9 and (particle near3 (size or diameter or dimension)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:27 |
| L11 | 146 | I10 and (paper or fiber or sheet or web) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:27 |
| S1 | 33 | ("2740184" "2920987" "3395042" "3523319" "3536528" "3670203" "3781105" "3879785" "3943049" "3959690" "4133894" "4405342" "4454621" "4677704" "4727614" "4835808" "4941224" "4955991" "5100440" "5110324" "5138971" "5180404" "5211760" "5257079" "5421901" "5585426" "6143064" "6287368").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/16 10:39 |
| S2 | 1 | ("6680086").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 15:17 |
| S3 | 66 | nissinen-vilho.IN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/01 15:08 |
| S4 | 1 | ("6571581").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/01 15:02 |
| S5 | 1 | ("6311410").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/01 15:18 |
| S6 | 8 | ((("6238784") or ("5637432") or ("5432000") or ("5244542") or ("5093309") or ("4834910") or ("3166432"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/03 10:12 |
| S7 | 1 | ("3861863").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/01 15:48 |
| S8 | 4138 | (162/158,162,181.2,181.4,183,184).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/01 16:03 |
| S9 | 422 | (106/464).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/01 16:04 |

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| S10 | 1331 | (118/621,623,630,638).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/01 16:05 |
| S11 | 5446 | (427/460,474,496,508,513,538,562, 190,180,361,366).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/01 16:06 |
| S12 | 11162 | S8 or S9 or S10 or S11 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/01 16:06 |
| S13 | 0 | EP-0791685-\$ did. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/02 07:28 |
| S14 | 1 | ("6130185").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/02 07:29 |
| S15 | 0 | EP-0524415-\$ did. | EPO; DERWENT | OR | ON | 2006/03/02 07:35 |
| S16 | 0 | "EP-0524415" | EPO; DERWENT | OR | ON | 2006/03/02 07:35 |
| S17 | 2 | EP-524415-\$ did. | EPO; DERWENT | OR | ON | 2006/03/02 07:37 |
| S18 | 2 | EP-791685-\$ did. | EPO; DERWENT | OR | ON | 2006/03/02 07:37 |
| S19 | 2 | WO-9623728-\$ did. | EPO; DERWENT | OR | ON | 2006/03/02 09:33 |
| S20 | 0 | FI-973775-\$ did. | EPO; DERWENT | OR | ON | 2006/03/02 08:47 |
| S21 | 2 | WO-9811999-\$ did. | EPO; DERWENT | OR | ON | 2006/03/03 10:08 |
| S22 | 1 | 1998-217088.NRAN. | DERWENT | OR | ON | 2006/03/02 09:34 |
| S23 | 26453 | coating and (electrostatic or (ion adj blast\$3) or corona) and (particle or particulate or powder) and (particle adj size) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 10:58 |
| S24 | 8 | coating and (ion adj blast\$3) and (particle or particulate or powder) and (particle adj size) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 10:52 |

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| S25 | 0 | FI-991438-\$.did. | EPO; DERWENT | OR | ON | 2006/03/02 10:53 |
| S26 | 0 | FI-991742-\$.did. | EPO; DERWENT | OR | ON | 2006/03/02 10:55 |
| S27 | 1 | ("4296142").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/02 10:55 |
| S28 | 6485 | coating and (corona adj discharge) and (particle or particulate or powder) and (particle adj size) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:10 |
| S29 | 6 | S28 and ion adj blast\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:10 |
| S30 | 0 | S28 and ionic adj blast\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:10 |
| S31 | 5592 | S28 and (paper or web or cellulos\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:11 |
| S32 | 5116 | S31 and (calcium adh (oxide or hydroxide or carbonate)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:12 |
| S33 | 2180 | S31 and (calcium adj (oxide or hydroxide or carbonate)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:12 |
| S34 | 2063 | S31 and (calcium adj carbonate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:13 |
| S35 | 156 | S33 and "precipitated calcium carbonate" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 12:13 |

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| S36 | 336 | S31 and (electromagnetic adj radiation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:57 |
| S37 | 74 | S33 and S36 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 11:29 |
| S38 | 490 | S28 and brush\$3 and friction | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 12:00 |
| S39 | 5 | S35 and S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 12:01 |
| S40 | 1417 | coating and "precipitated calcium carbonate" and "particle size" and (paper or cellulose\$2 or web or sheet or paperboard) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 12:14 |
| S41 | 371 | coating with "precipitated calcium carbonate" and "particle size" and (paper or cellulose\$2 or web or sheet or paperboard) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/06 12:24 |
| S42 | 32 | S41 and "calcium hydroxide" and "calcium oxide" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/02 12:15 |
| S43 | 1 | ("5138971").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/02 14:20 |
| S44 | 1 | ("4133894").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/02 14:20 |
| S45 | 2 | WO-9518885-\$ did. | EPO; DERWENT | OR | ON | 2006/03/02 14:22 |
| S46 | 5451 | paper and (pigment same (particle adj size)) and (filler or coat\$3) | USPAT | OR | ON | 2006/03/02 14:23 |
| S47 | 269 | S46 and precipitated adj calcium adj carbonate | USPAT | OR | ON | 2006/03/02 15:44 |
| S48 | 5451 | paper and (pigment same (particle adj size)) and (filler or coat\$3) | USPAT | OR | ON | 2006/03/02 15:46 |

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| S49 | 269 | S48 and precipitated adj calcium adj carbonate | USPAT | OR | ON | 2006/03/02 15:44 |
| S50 | 83 | S49 and (papermaking or (making adj paper)) and method | USPAT | OR | ON | 2006/03/02 15:44 |
| S51 | 56 | paper and (pigment same (particle near2 diameter)) and (filler or coat\$3) and "precipitated calcium carbonate" and (papermaking or (making near paper)) and (method or process) | USPAT | OR | ON | 2006/03/02 15:47 |
| S52 | 1 | ("5637432").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/03 12:05 |
| S53 | 6 | deinking and (calcium adj carbonate) and ((gas adj phase) near2 react\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 12:13 |
| S54 | 41 | sludge and (calcium adj carbonate) and ((gas adj phase) near2 react\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 12:24 |
| S55 | 40 | ((calcium adj (oxide or hydroxide)) with (paper or web or sheet)) and (precipitated with carbon adj dioxide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/03 12:26 |
| S56 | 6485 | coating and (corona adj discharge) and (particle or particulate or powder) and (particle adj size) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/03 13:04 |
| S57 | 490 | S56 and brush\$3 and friction | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/03 13:04 |
| S58 | 1 | ("20040074620").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/11 12:21 |
| S59 | 400 | (corona adj discharge) and (surface adj charge) and (alter or modify) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/16 10:40 |
| S60 | 400 | (corona adj discharge) and (surface adj charge) and (alter or modify) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:40 |

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| S61 | 220 | (corona adj discharge) with (surface adj charge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:40 |
| S62 | 1 | ("6680086").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 10:42 |
| S63 | 1 | S62 and (cellulos\$2 adj (web or fiber)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:41 |
| S64 | 6 | S61 and (cellulos\$2 adj (web or fiber)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:41 |
| S65 | 48 | (electrolytic) with (surface adj charge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:42 |
| S66 | 20 | (alum) with (surface adj charge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:42 |
| S67 | 18 | ((("6680086") or ("6558456") or ("6589388") or ("6461671") or ("6511581") or ("6251477") or ("6106902") or ("6063449") or ("5674551") or ("6123770")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/16 10:42 |
| S68 | 229 | ((ion adj blast) or (corona adj discharge)) with (particle or pigment or coating) with (web or fibrous) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:43 |
| S69 | 17 | ((ion adj blast) or (corona adj discharge)) with (particle or pigment or coating) with (fibrous) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:43 |
| S70 | 69 | (((ion adj blast) or (corona adj discharge)) with (particle or pigment) with (web or mat or fibrous)) and coating | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:43 |

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| S71 | 151 | ((calcium adj carbonate) with coat\$3 with paper) and electrostatic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:43 |
| S72 | 27 | ((calcium adj carbonate) with coat\$3 with paper) and (surface adj charge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:44 |
| S73 | 513 | ((calcium adj carbonate) with surface with coat\$3) and (web or fibrous) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:44 |
| S74 | 277 | S73 and (liner or writing or printing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:45 |
| S75 | 387 | S73 and (surface near2 coat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:45 |
| S76 | 8 | ("5637432") or ("5432000") or ("6238784") or ("5093309").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/16 10:46 |
| S77 | 37 | ((paper or web or mat) with (fine adj particle) with (calcium adj carbonate) with coat\$3) and (print\$3 or graphic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/16 10:46 |
| S78 | 1 | ("6413591").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 14:41 |
| S79 | 1 | WO-200003092-\$ did. | EPO; DERWENT | OR | ON | 2007/04/02 15:34 |
| S80 | 2 | WO-9732934-\$ did. | EPO; DERWENT | OR | ON | 2007/04/02 15:42 |
| S81 | 2 | WO-9518885-\$ did. | EPO; DERWENT | OR | ON | 2007/04/02 15:43 |
| S82 | 3 | ("4133894").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/04/02 15:43 |

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| S83 | 2 | WO-9846829-\$ did. | EPO; DERWENT | OR | ON | 2007/04/02 16:03 |
| S84 | 1 | WO-8503386-\$ did. | EPO; DERWENT | OR | ON | 2007/04/02 16:04 |
| S85 | 2 | WO-8503316-\$ did. | EPO; DERWENT | OR | ON | 2007/04/02 16:05 |
| S86 | 3 | (("3119708") or ("5503968")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 16:08 |
| S87 | 3 | (("3674529") or ("3661610")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/02 16:08 |
| S88 | 1 | ("6413591").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/03 08:35 |